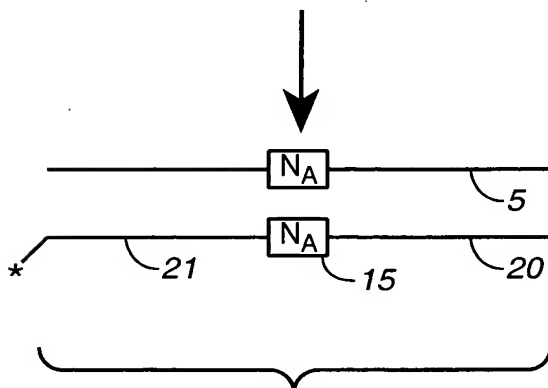
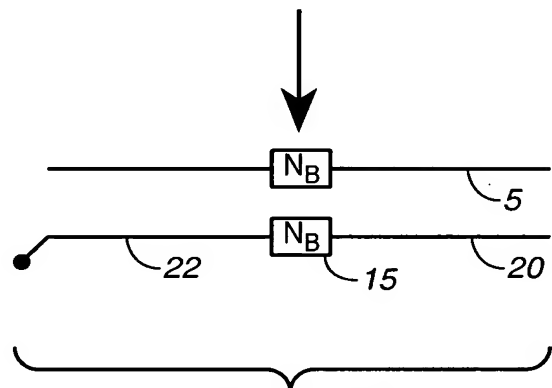


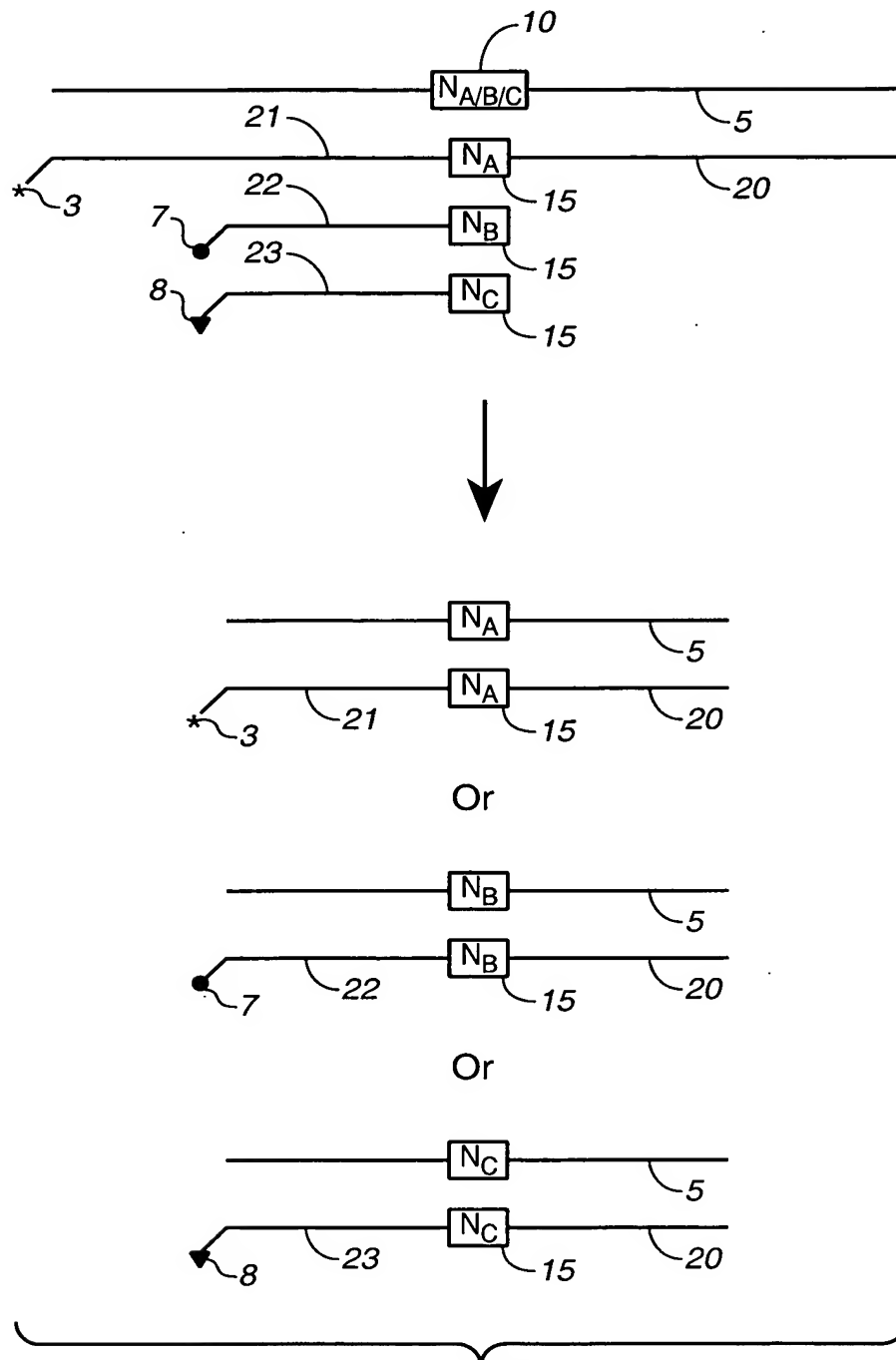
**FIG.\_3A**



**FIG.\_3B**



**FIG.\_3C**

**FIG. 3D**

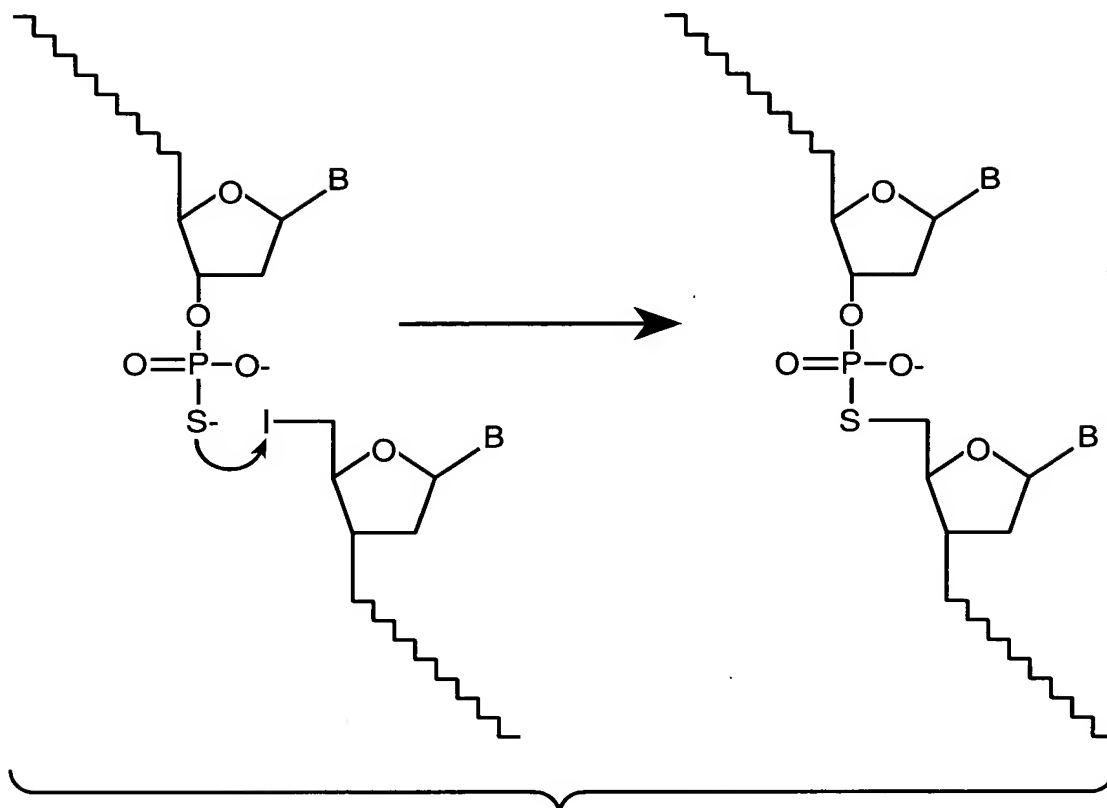


**FIG. 3E**

+

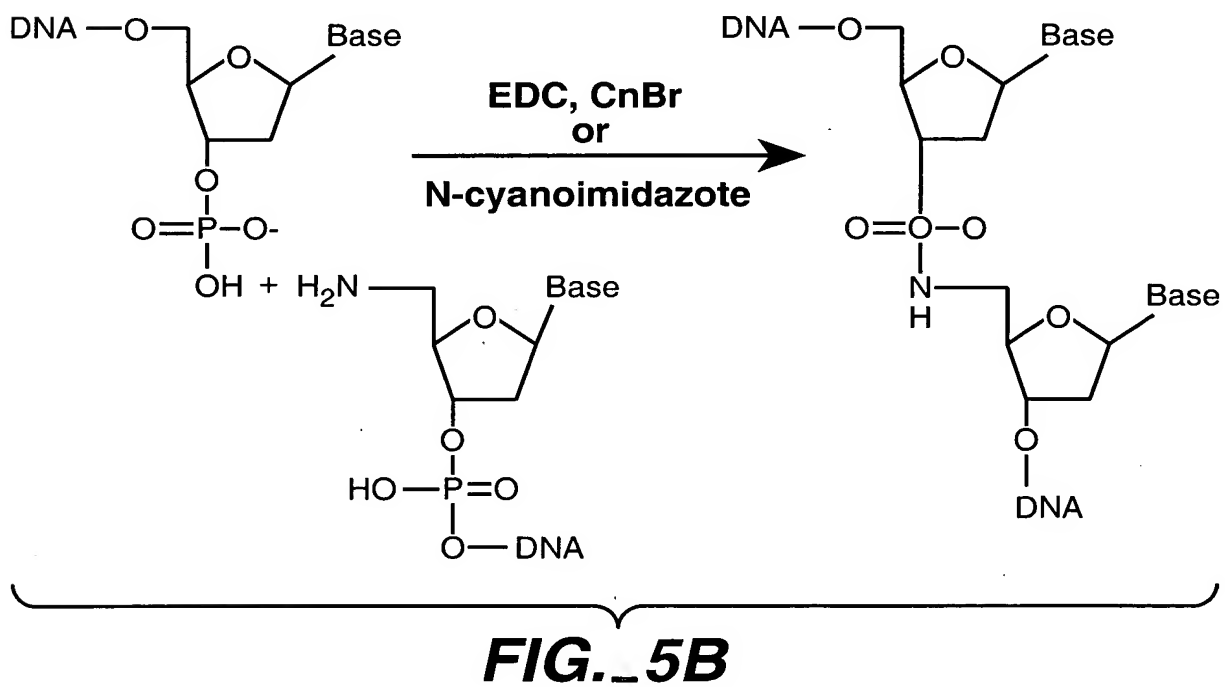
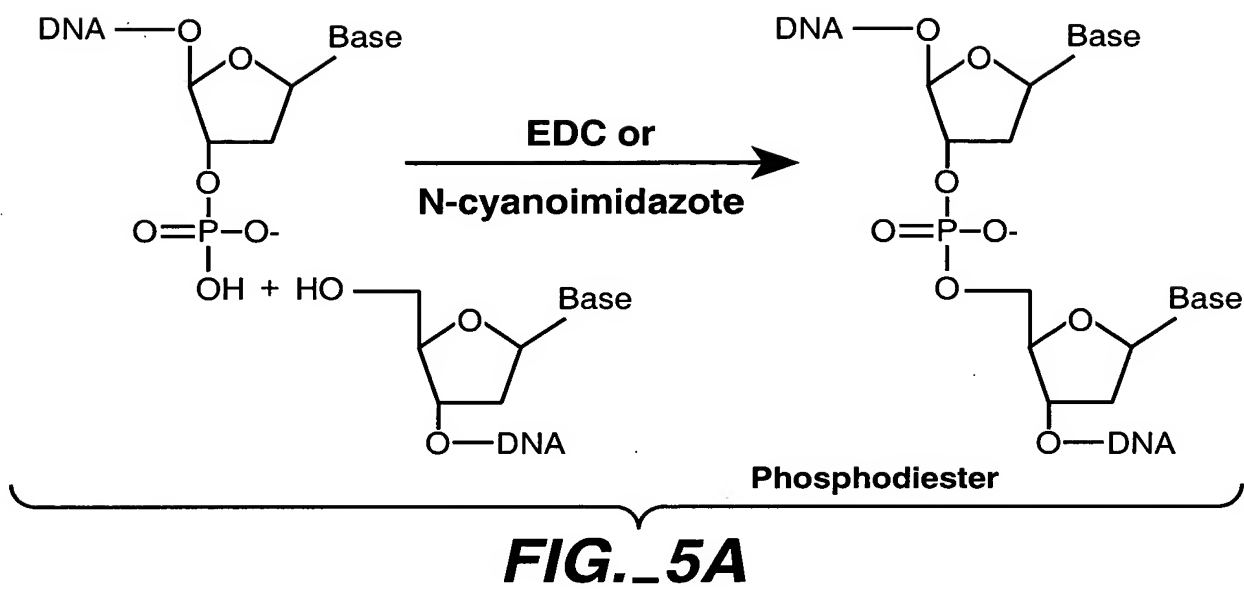
5 / 14

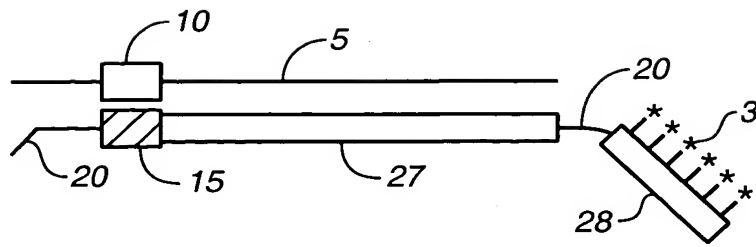
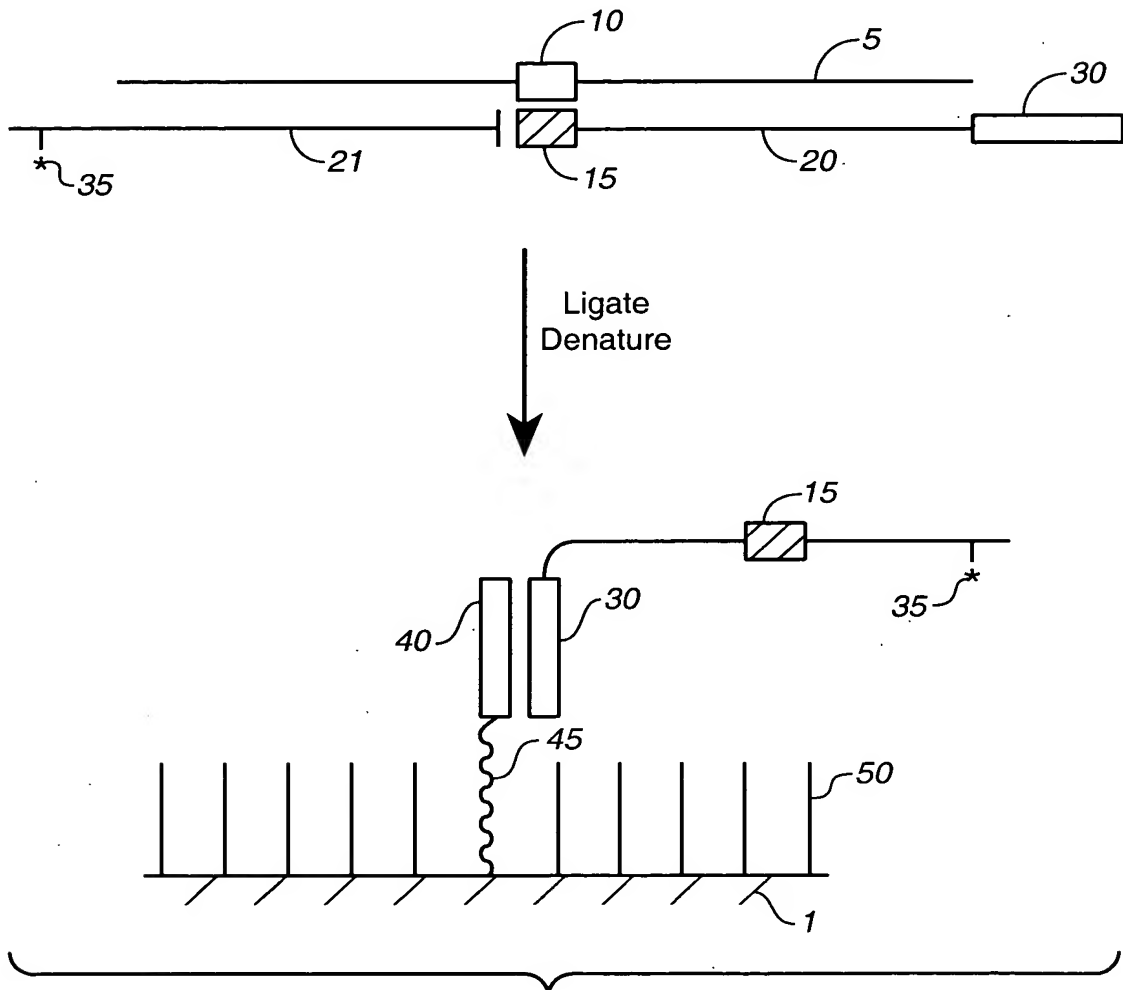
**5' Iodo - 3' Phosphothioate  
Non-enzymatic Ligation**



**FIG. 4**

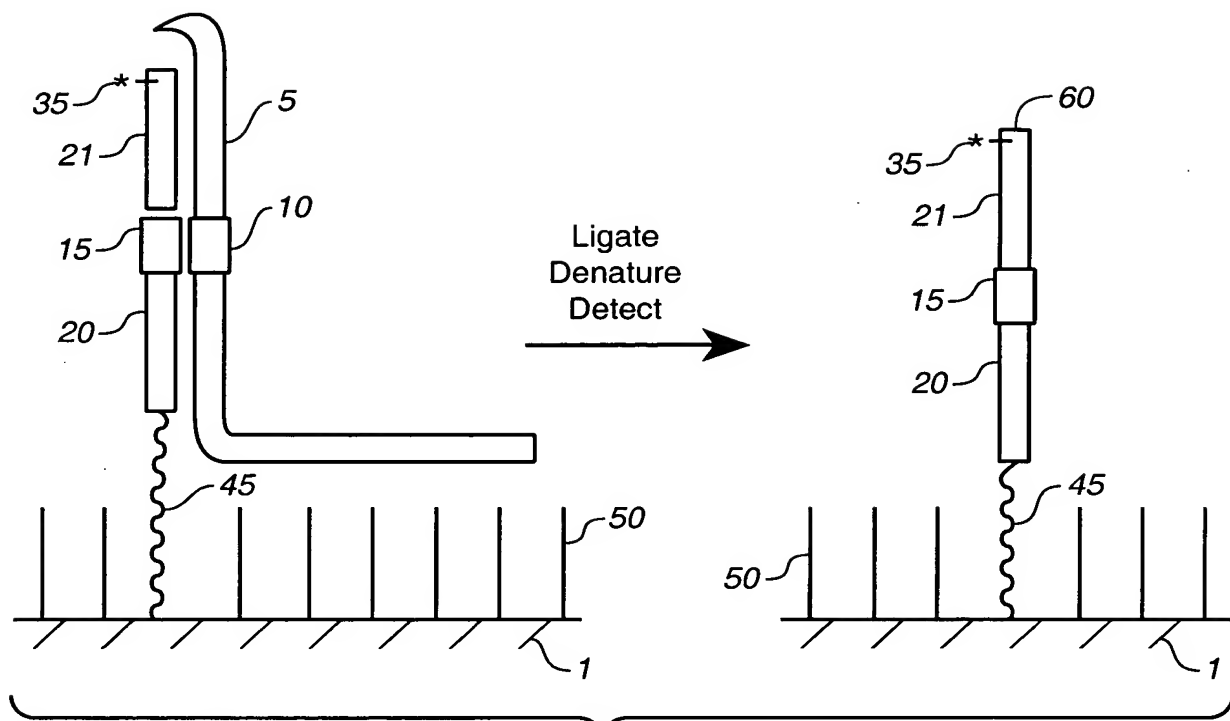
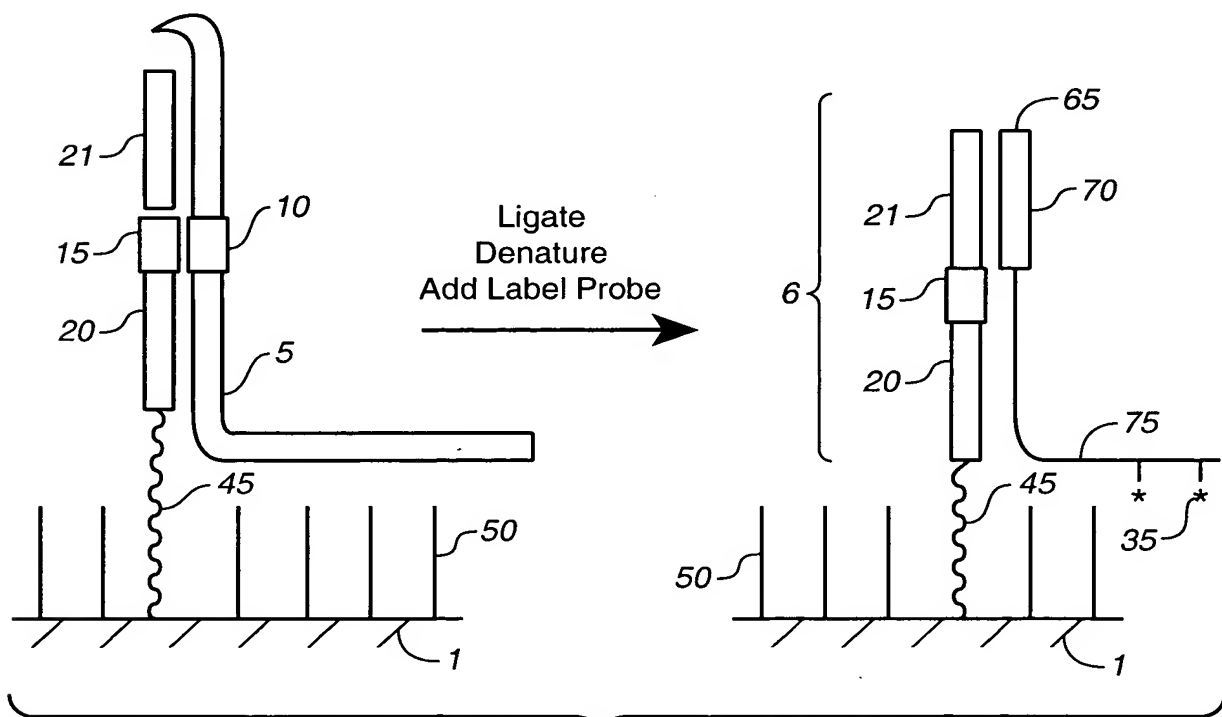
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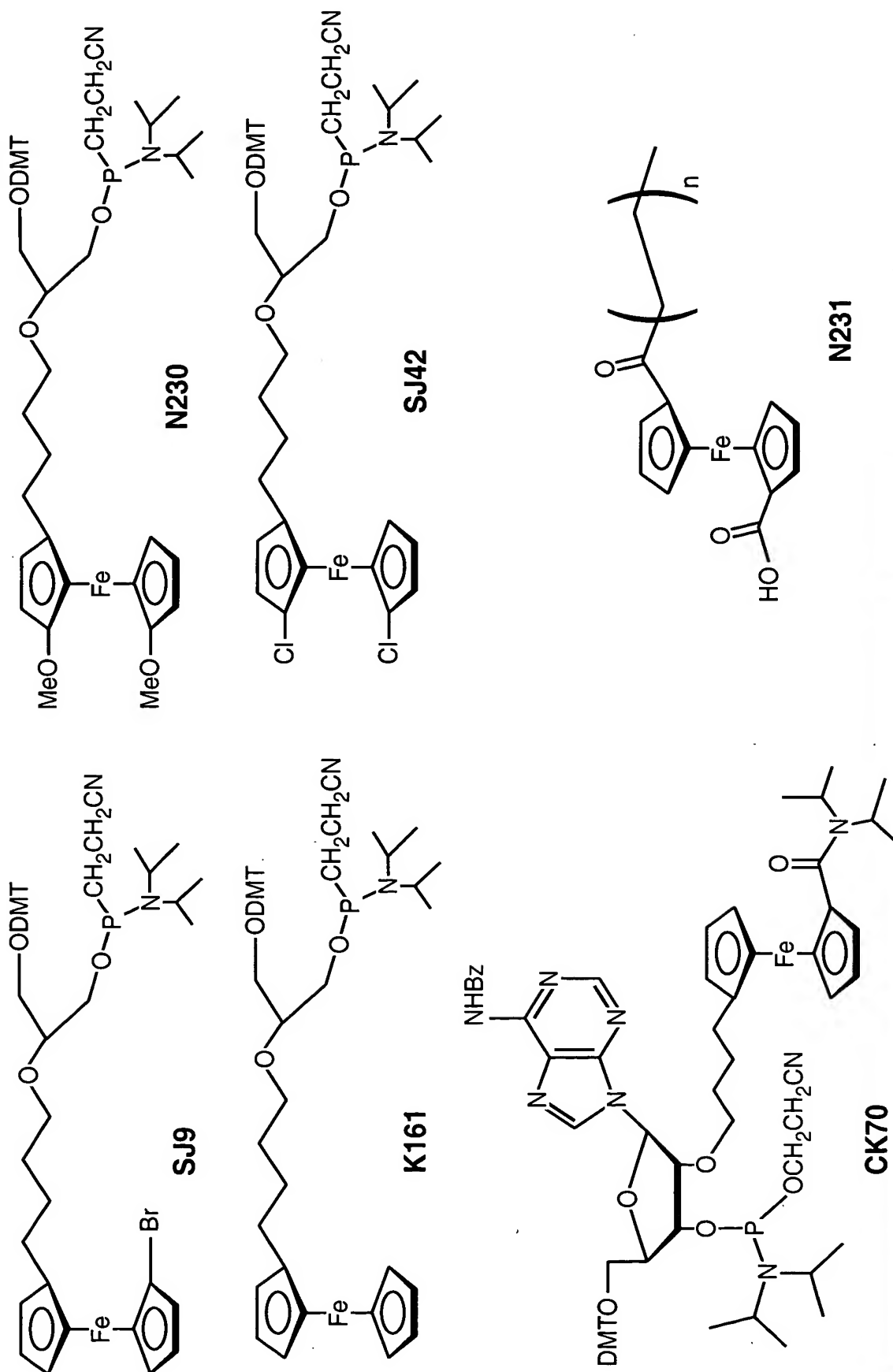


**FIG.\_6****FIG.\_7**





**FIG.\_8B****FIG.\_8C**



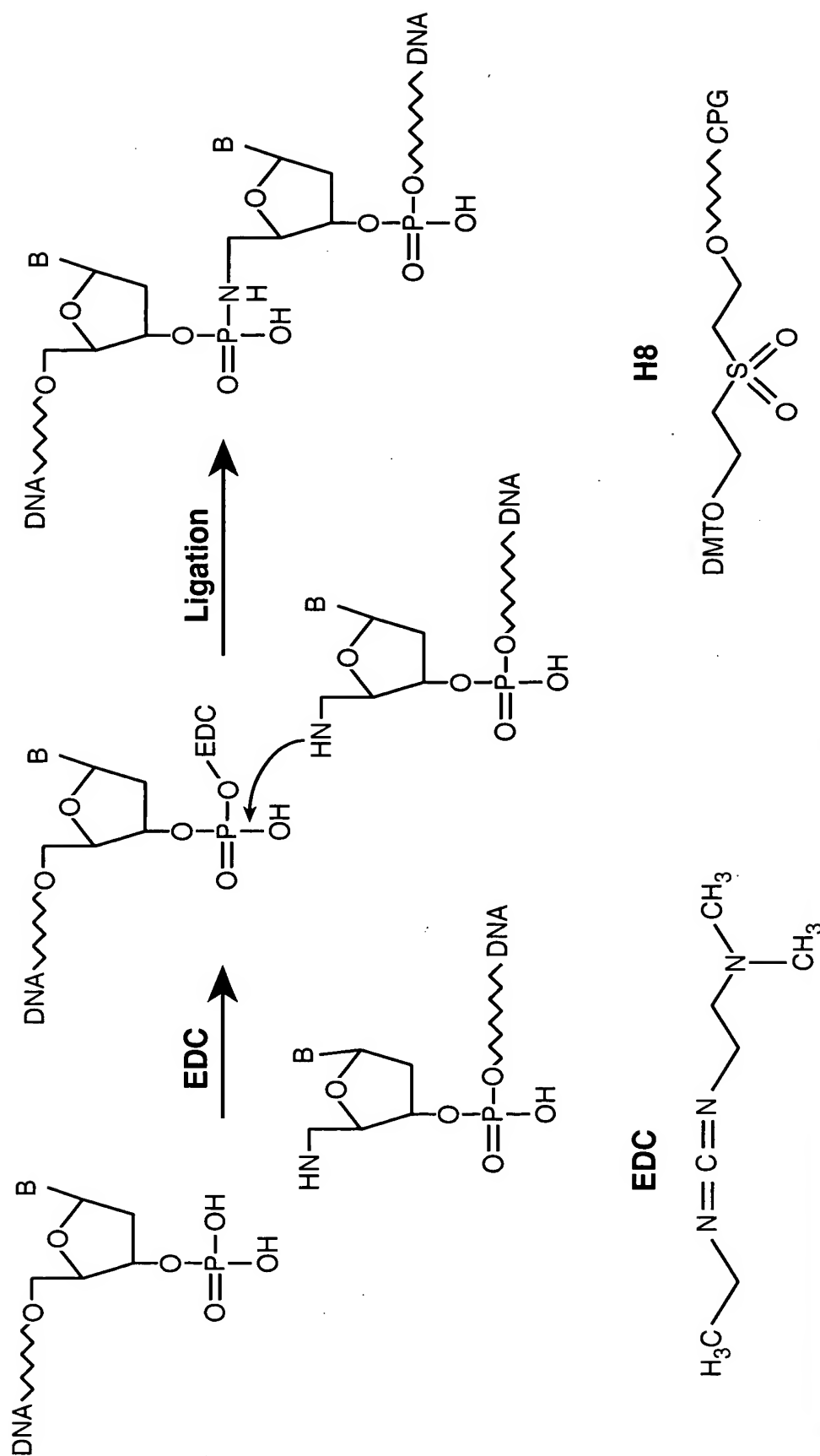
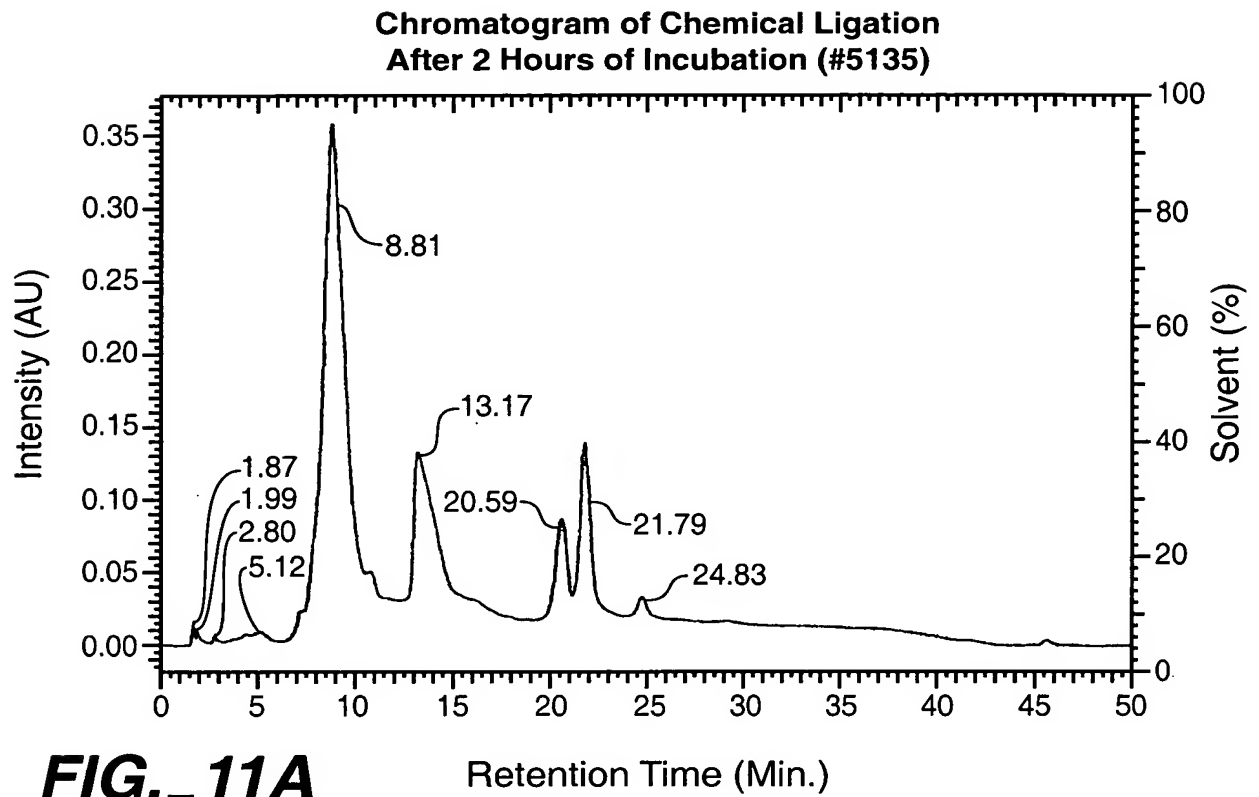
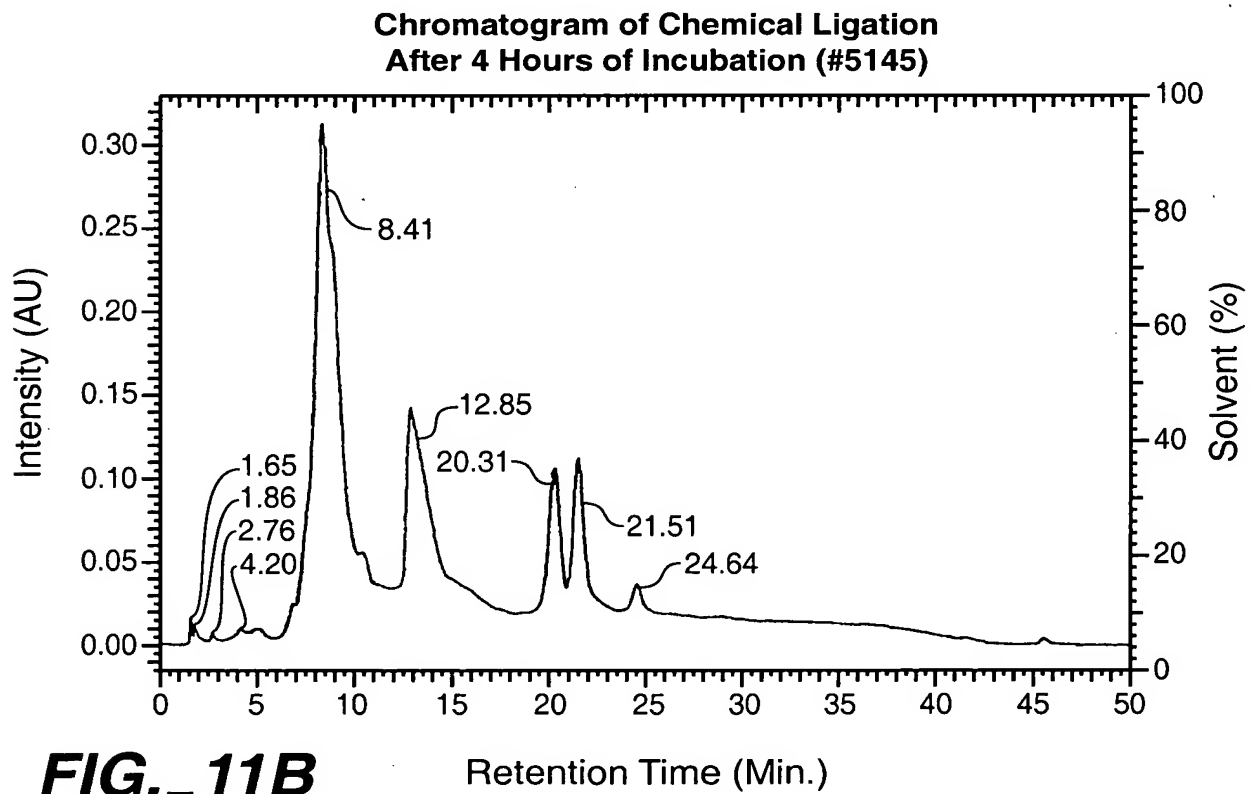
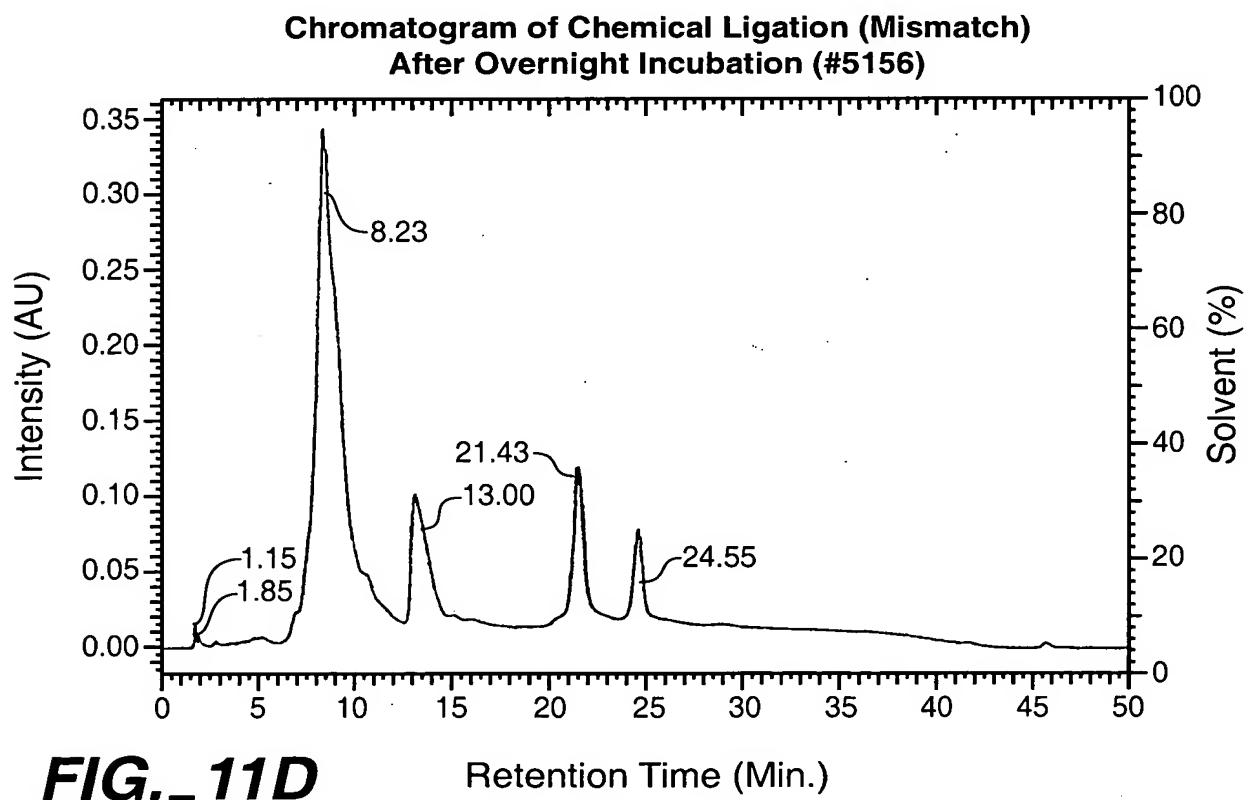
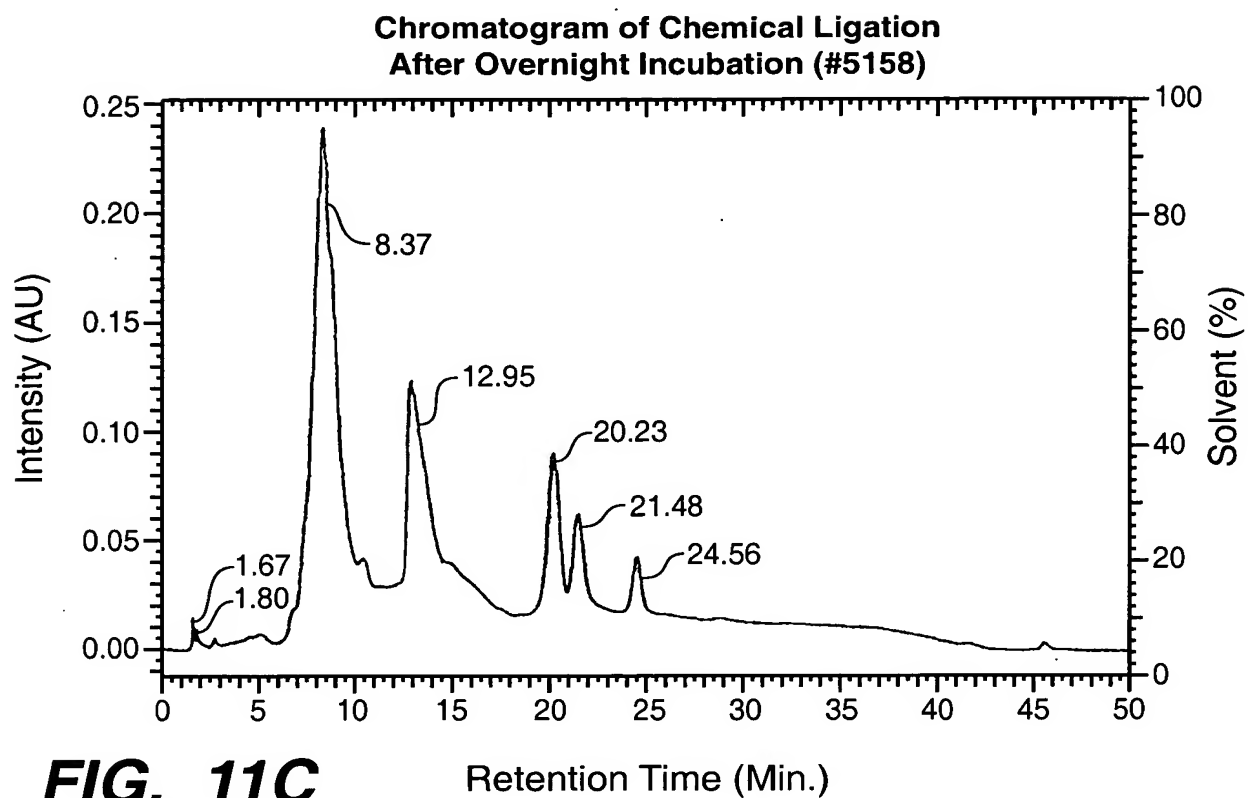
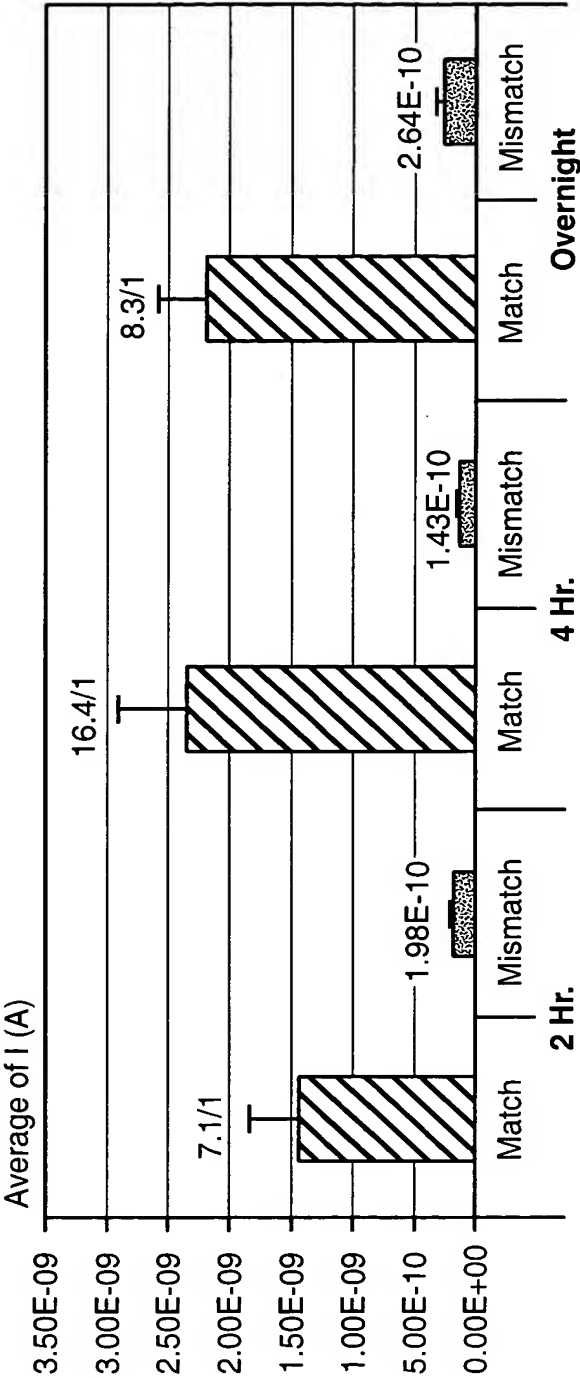


FIG. 10

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**FIG.\_11A****FIG.\_11B**





Ligation Time  
Match/Mismatch

FIG.\_12